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1 Supporting end-users of statistical information: the role of statistical metadata in th Statistical Knowledge Network
Carol A. Hert, Stephanie Haas
May 2003 **dg.o '03:** Proceedings of the 2003 annual national conference on Digital government research
Publisher: Digital Government Research Center
Full text available: 📄 Pdf (51.25 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 22,   Citation Count: 2

Metadata is integral to many processes in the Statistical Knowledge Network (SKN). Recent efforts such as the Semantic Web (Berners-Lee et al., 2001), the joint work of I and Columbia University (Ambite et al., 2002), and ours (Marchionini, et al., ...

2 ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2
May 2003 SIGGRAPH Computer Graphics
Publisher: ACM
Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

3 Dynamic metrics for java
Bruno Dufour, Karel Driesen, Laurie Hendren, Clark Verbrugge
November 2003 **OOPSLA '03:** Proceedings of the 18th annual ACM SIGPLAN conference or Object-oriented programing, systems, languages, and applications
Publisher: ACM
Full text available: 📄 Pdf (222.67 KB)   Additional Information: full citation, abstract, references, cited by, inde terms

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 150,   Citation Count: 25

In order to perform meaningful experiments in optimizing compilation and run-time system design, researchers usually rely on a suite of benchmark programs of interest t(the optimization technique under consideration. Programs are described as *numeric*, ...

Keywords: Java, dynamic metrics, execution traces, optimization, profiling, program analysis, software metrics

Also published in:
November 2003 **SIGPLAN Notices** Volume 38 Issue 11

4 Staging transformations for multimodal web interaction management
Michael Narayan, Christopher Williams, Saverio Perugini, Naren Ramakrishnan
May 2004 **WWW '04:** Proceedings of the 13th international conference on World Wide We
Publisher: ACM

Full text available: Pdf (2.76 MB)　　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2,　Downloads (12 Months): 49,　Citation Count: 2

Multimodal interfaces are becoming increasingly ubiquitous with the advent of mobile devices, accessibility considerations, and novel software technologies that combine dive interaction media. In addition to improving access and delivery capabilities, ...

Keywords: mixed-initiative interaction, out-of-turn interaction, partial evaluation, program transformations, web dialogs

5　The character, functions, and styles of instant messaging in the workplace
Ellen Isaacs, Alan Walendowski, Steve Whittaker, Diane J. Schiano, Candace Kamm
November 2002　**CSCW '02**: Proceedings of the 2002 ACM conference on Computer support cooperative work
Publisher: ACM

Full text available: Pdf (519.02 KB)　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 55,　Downloads (12 Months): 428,　Citation Count: 55

Current perceptions of Instant Messaging (IM) use are based primarily on self-report studies. We logged thousands of (mostly) workplace IM conversations and evaluated th conversational characteristics and functions. Contrary to prior research, we ...

Keywords: informal communication, instant messaging, media switching, multitasking workplace collaboration

6　Free-link topology navigation on statistical table objects: metadata schema and us interface
Xiangming Mu, Gary Marchionini
May 2003　**dg.o '03**: Proceedings of the 2003 annual national conference on Digital government research
Publisher: Digital Government Research Center

Full text available: Pdf (45.90 KB)　Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 2,　Downloads (12 Months): 6,　Citation Count: 0

A table object, defined and described in XML, is treated as the basic unit in a free-link topology that enables multiple inheritances for each node. In this paper, a novel table navigation system called TableHunter is introduced. Each table object is ...

7　The design of auditory user interfaces for blind users
Hilko Donker, Palle Klante, Peter Gorny
October 2002　**NordiCHI '02**: Proceedings of the second Nordic conference on Human-computer interaction
Publisher: ACM

Full text available: Pdf (3.21 MB)　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 17,　Downloads (12 Months): 128,　Citation Count: 8

Previous screen readers provide blind WWW-users only with the textual contents of the web pages, but exclude the access to important information coded in the layout of web pages. The approach we introduce here shall overcome the layout barrier of webpages

Keywords: accessibility, accessible internet, auditory interaction objects, barrier free

GUI, binaural perception, blind users, spatialized sounds, visually impaired users

8 A hybrid approach to natural language web search

Jennifer Chu-Carroll, John Prager, Yael Ravin, Christian Cesar

July 2002   **EMNLP '02: Proceedings of the ACL-02 conference on Empirical method:
in natural language processing - Volume 10** , Volume 10

Publisher: Association for Computational Linguistics

Full text available: Pdf (118.21 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 32,   Citation Count: 2

We describe a hybrid approach to improving search performance by providing a natural
language front end to a traditional keyword-based search engine. The key component o
the system is iterative query formulation and retrieval, in which one or more queries ...

9 First impressions: emotional and cognitive factors underlying judgments of trust e-
commerce

Andrea Basso, David Goldberg, Steven Greenspan, David Weimer

October 2001 **EC '01:** Proceedings of the 3rd ACM conference on Electronic Commerce

Publisher: ACM

Full text available: Pdf (207.02 KB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 156,   Citation Count: 6

Different communication media create different shopping experiences, e.g., the phone v
the web. In this study, we examined the early formation of trust and the likelihood that
shopper will return to a website for subsequent purchases. Consumers were ...

Keywords: attunement, audiovisual communication common ground, e-commerce,
instant messaging, retail, trust

10 Protein similarity from knot theory and geometric convolution

Michael A. Erdmann

March 2004 **RECOMB '04:** Proceedings of the eighth annual international conference on
Resaerch in computational molecular biology

Publisher: ACM

Full text available: Pdf (467.10 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 58,   Citation Count: 1

Shape similarity is one of the most elusive and intriguing questions of nature and
mathematics. Proteins provide a rich domain in which to test theories of shape similarit
Proteins can match at different scales and in different arrangements. Sometimes ...

Keywords: homology, homotopy, knot theory, protein structure, robot motion plannin(
writhing

11 Rendering effective route maps: improving usability through generalization

Maneesh Agrawala, Chris Stolte

August 2001 **SIGGRAPH '01:** Proceedings of the 28th annual conference on Computer
graphics and interactive techniques

Publisher: ACM

Full text available: Pdf (2.23 MB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 23,   Downloads (12 Months): 168,   Citation Count: 35

Route maps, which depict a path from one location to another, have emerged as one of

the most popular applications on the Web. Current computer-generated route maps,
however, are often very difficult to use. In this paper we present a set of cartographic .

Keywords: WWW applications, human factors, information visualization, non-realistic
rendering

12 Shape-based retrieval and analysis of 3D models
Thomas Funkhouser, Michael Kazhdan
August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: Pdf (12.56 MB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 82,   Downloads (12 Months): 710,   Citation Count: 0

Large repositories of 3D data are rapidly becoming available in several fields, including
mechanical CAD, molecular biology, and computer graphics. As the number of 3D mode
grows, there is an increasing need for computer algorithms to help people find ...

13 Multi-model similarity propagation and its application for web image retrieval
Xin-Jing Wang, Wei-Ying Ma, Gui-Rong Xue, Xing Li
October 2004 **MULTIMEDIA '04:** Proceedings of the 12th annual ACM international
                    conference on Multimedia
Publisher: ACM
Full text available: Pdf (726.07 KB)   Additional Information: full citation, abstract, references, cited by, inde
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Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 87,   Citation Count: 7

In this paper, we propose an iterative similarity propagation approach to explore the int
relationships between Web images and their textual annotations for image retrieval. By
considering Web images as one type of objects, their surrounding texts ...

Keywords: iterative similarity propagation, mixture model, multimedia retrieval, mutua
reinforcement

14 Christopher Alexander's fifteen properties applied to the design of communication
John W. Stamey, Jr., Thomas L. Honeycutt
October 2004 **SIGDOC '04:** Proceedings of the 22nd annual international conference on
                    Design of communication: The engineering of quality documentation
Publisher: ACM
Full text available: Pdf (354.15 KB)   Additional Information: full citation, abstract, references, cited by, inde
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Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 60,   Citation Count: 2

This paper examines Christopher Alexander's Fifteen Fundamental Properties of Living
Structures, and their relationship to the design of communication through website
development. The Fifteen Properties are found to describe and provide solutions to ...

Keywords: Christopher Alexander, architectural properties, design patterns,
documentation, nature of order, web design, web interfaces

15 Projectors: advanced graphics and vision techniques
Ramesh Raskar
August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: Pdf (6.53 MB)   Additional Information: full citation, cited by

Bibliometrics: Downloads (6 Weeks): 110,   Downloads (12 Months): 669,   Citation Count: 1

16 Enhancing usability in CITIDEL: multimodal, multilingual, and interactive visualizati
Interfaces
Saverio Perugini, Kathleen McDevitt, Ryan Richardson, Manuel A. Pérez-Quiñones, Rao Sh
Naren Ramakrishnan, Chris Williams, Edward A. Fox
June 2004 **JCDL '04:** Proceedings of the 4th ACM/IEEE-CS joint conference on Digital
libraries
Publisher: ACM

Full text available: Pdf (828.82 KB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 47,   Citation Count: 6

We describe four usability-enhancing interfaces to CITIDEL aimed at improving the user
experience and supporting personalized information access by targeted communities.
These comprise: a multimodal interaction facility with capability for out-of-turn ...

Keywords: community translation, interactive visualization, interfaces, out-of-turn
interaction

17 Adding tuples to Java: a study in lightweight data structures
C. van Reeuwijk, H. J. Sips
November 2002 **JGI '02:** Proceedings of the 2002 joint ACM-ISCOPE conference on Java
Grande
Publisher: ACM

Full text available: Pdf (91.24 KB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 53,   Citation Count: 2

Java classes are very flexible, but this comes at a price. The main cost is that every cla:
instance must be dynamically allocated. Their access by reference introduces pointer
dereferences and complicates program analysis. These costs are particularly ...

Keywords: Java, lightweight data structures, tuple

18 Website navigation architectures and their effect on website visibility: a literature
survey
Melius Weideman, Mongezi Mgidana
October 2004 **SAICSIT '04:** Proceedings of the 2004 annual research conference of the
South African institute of computer scientists and information technologists c
IT research in developing countries
Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available: Pdf (36.01 KB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 22,   Downloads (12 Months): 137,   Citation Count: 1

Search engines hold a promise of delivering relevant and useful information to the hum
user. The primary objective of this research project is to compare and report on differer
types of navigation schemes, their advantages and disadvantages, and the ...

Keywords: crawler, design, human factors, navigation, performance, search engine,
visibility

19 Experience with an evolving overlay network testbed
David G. Andersen, Hari Balakrishnan, M. Frans Kaashoek, Robert Morris
July 2003 **SIGCOMM Computer Communication Review** , Volume 33 Issue 3

Publisher: ACM

Full text available: ▓ Pdf (115.26 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 23,   Citation Count: 3

The MIT RON testbed consists of 36 Internet-connected nodes at 31 different sities. It h
been in operation for two years. This paper presents an overview of the testbed,
summarizes some of the research for which it has proved useful, and presents the ...

20 CS AKTive space: representing computer science in the semantic web
m. c. schraefel, Nigel R. Shadbolt, Nicholas Gibbins, Stephen Harris, Hugh Glaser
May 2004 **WWW '04:** Proceedings of the 13th international conference on World Wide We
Publisher: ACM

Full text available: ▓ Pdf (346.31 KB)   Additional Information: full citation, abstract, references, cited by, inde
terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 50,   Citation Count: 6

We present a Semantic Web application that we callCS AKTive Space. The application
exploits a wide range of semantically heterogeneousand distributed content relating to
Computer Science research in theUK. This content is gathered on a continuous basis ...

Keywords: ontologies, semantic web, semantic web challenge groups

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